

WEST Search History

DATE: Friday, August 06, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L4	(polymer) adj5 follicle	11
<input type="checkbox"/>	L3	(swell\$ adj10 polymer) same follicle	0
<input type="checkbox"/>	L2	(swell\$ adj3 polymer) same follicle	0
<input type="checkbox"/>	L1	hydrogel\$ same follicle	9

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L1: Entry 1 of 9

File: USPT

Nov 20, 2001

DOCUMENT-IDENTIFIER: US 6319240 B1

TITLE: Methods and apparatus for ocular iontophoresis

Detailed Description Text (17):

For ocular iontophoresis, it is preferable that a cross-linked hydrogel be used since the cohesive nature of the cross-linked hydrogel prevents fibrous material, gels or residues being left on the eye after iontophoresis. The use of a cross-linked hydrogel also is beneficial during iontophoresis since no fibrous materials may abrade or irritate the eye. For alternative uses of iontophoresis apertures such as for treating skin or hair follicles, a gel which would wick and wet effectively would be preferable. Examples of such materials for alternative uses includes a hydrogel impregnated dry sponge matrix, and a multi-laminate cross-linked polyethylene oxide dried matrix.

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L1: Entry 2 of 9

File: USPT

Apr 18, 2000

DOCUMENT-IDENTIFIER: US 6050990 A

TITLE: Methods and devices for inhibiting hair growth and related skin treatments

Detailed Description Text (103):

One of the advantages of leaving the hydrogel in place during lasing is to contain the contaminant and drive the contaminant downwards within the hair ducts. FIGS. 18A-18F illustrate how these advantages are achieved. If the occlusive dressing is removed, force vectors generated during lasing may spill the contaminant out of the hair follicle (shown in FIG. 18C).

Detailed Description Text (104):

During lasing a short pulse of energy vaporizes some of the contaminant, and a puff of smoke and fragments is produced, which fly off the skin surface as smoke or particles. In the present invention, the hydrogel serves as a blast barrier, to confine the smoke and fragments so formed. A particle or fragment in a hair duct is forced downward into the hair ducts (FIG. 18D). In addition, a portion of the water in the hydrogel evaporates, providing an additional instantaneous overpressure, shock, and acceleration to aid in propelling the chromophore into the depth of the follicle. Steam so created may instantaneously lift the hydrogel from the skin surface, but unvaporized water remaining in the hydrogel rapidly cools the laser-induced steam back to water, causing the hydrogel to "slap" against the skin surface. This "slap" may help propel the contaminant into hair follicles. Because the water content of the hydrogel is not compressible, it acts like a solid to the extent that it confines the force vectors of an exploding contaminant particle much in the same way that a sheet of plastic or glass placed over the skin surface prior to lasing would do (shown in FIG. 18E). Therefore, the hydrogel directs the energy of the ablation or explosion downward, helping to force the contaminant into the depths of the hair ducts (FIG. 18F).

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L1: Entry 5 of 9

File: USPT

Feb 10, 1998

DOCUMENT-IDENTIFIER: US 5716634 A

TITLE: Clear, homogenized, flowable hydrogel of crosslinked N-vinyl lactam polymer

Brief Summary Text (20):

The clarity and flowability of the present product makes it ideal for application as a thin film for protecting the skin or hair against pollution and additionally as a retentive base over which other cosmetic components can be applied. The superior conditioning properties of instant flowable, homogenized hydrogel product is attributable in part to its ability to absorb atmospheric moisture and to minimize evaporation of moisture from the skin or hair during treatment. Hence, as a carrier for skin rejuvenants or hair bleaches and dyes, the epidermis or hair follicles are not damaged by irritation, dryness or brittleness. The microparticle size of the hydrogel is largely responsible for its flowability to obtain easy and uniform application and provides for intimate admixing with active cosmetic or pharmaceutical agents in formulations applied as stable creams, lotions, ointments and the like. For example, the stable, homogenized microhydrogels of the present invention, can be combined with antiseptic agents, e.g. PVP/I or PVP/peroxide, to provide a thin, invisible film having sustained and gradual release of the disinfectant. The flowable property of the present product allows for superior penetration of a wound or wound dressing which extends use of the dressing and provides gradual release of the medicament over an extended period. Additionally, the film forming properties of the present water insoluble hydrogel permits formulation with water soluble complexes, e.g. PVP/I and PVP/H.sub.2 O.sub.2 and other water soluble components, to form a water resistant coating. As indicated above, the unformulated hydrogel product herein described can be employed directly to any porous surface, e.g. skin, hair, leather, wood etc., as a moisturizer without discoloration of the substrate or it can be used in formulation with other active components suitable for the treatment of such substrates. These and other valuable properties will become known by reason of the following disclosure.

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L1: Entry 7 of 9

File: USPT

Aug 3, 1971

DOCUMENT-IDENTIFIER: US 3596292 A

TITLE: HAIR IMPLANT STRUCTURE

Brief Summary Text (17):

As further more specific features of certain preferred embodiments of the invention, the anchoring portions of the implant may comprise a tissue-pervious structures in the form of microvelours, microporous polymers, reticulated foam polymers or hydrated hydrogels. In the first three of these anchoring structures, the growing tissue is readily capable of growing through the interstices in the structure and thereby encompassing and locking the structure in place. In the case of the hydrogel, the molecular structure of the material is such as to permit ingrowth and intergrowth by the surrounding living tissue so that a similar type of locking bond is obtained. The small, generally hairlike implants described above are preferably inserted between, rather than in, hair follicles in the skin to obtain maximum benefits of the invention in preventing infection and rejection.

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L1: Entry 8 of 9

File: DWPI

Sep 2, 2003

DERWENT-ACC-NO: 2003-627569

DERWENT-WEEK: 200422

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TITLE: Enhancing hair growth, comprises exposing target area of skin to polypeptide comprising an actin-binding peptide, other than full length thymosin beta-4 peptide sequence

Basic Abstract Text (5):

MECHANISM OF ACTION - Metalloproteinase-2 activator; Sonic hedgehog expression activator; Hair follicle growth promoter. The hair growth enhancing effect of T-beta -4 was tested in aged mouse, nude mouse and rat models. 0.05% of the peptide was combined with the hydrogel carrier and applied topically to shaved rats, shaved aged mice (24-26 months old), and nude mice. Thymosin beta -4 was applied on one side of the shaved area of the rats and on the opposing lateral side a control vehicle was applied. After 7 days of treatment, an increased number of hair follicles in the anagen phase was observed. The number of anagen follicles was approximately two-fold greater than in rats treated with the control vehicle. The hair appeared longer and thicker than hair growing in untreated areas and the follicles were larger in diameter. The increased number of hairs in the anagen phase was retained with continued tri-weekly treatment over 30 days. Within 14 days of ceasing treatment, the number of active hair follicles decreased to control levels. Aged mice showed similar increase in hair follicle growth after 7 days of treatment. Treatment of nude mice showed increased hair growth in treated areas at day 7 and at day 35.

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L1: Entry 9 of 9

File: DWPI

Mar 19, 2003

DERWENT-ACC-NO: 2003-546286

DERWENT-WEEK: 200352

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Hydrogel for hair restoring and also for preventing hair loss in males, comprises cell growth factor protein

Basic Abstract Text (5):

ADVANTAGE - The hydrogel impregnated with cell growth factor protein promotes growth of blood vessels, increases blood flow in the tissues and follicle of the skin and thereby promotes hair growth in the human scalp effectively.

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Hit List

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Search Results - Record(s) 1 through 9 of 9 returned.

☐ 1. Document ID: US 6319240 B1

Using default format because multiple data bases are involved.

L1: Entry 1 of 9

File: USPT

Nov 20, 2001

US-PAT-NO: 6319240

DOCUMENT-IDENTIFIER: US 6319240 B1

TITLE: Methods and apparatus for ocular iontophoresis

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beck; Jon E.	Salt Lake City	UT		

US-CL-CURRENT: 604/501; 604/20, 604/294, 604/521

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Drawings	Drawings
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☐ 2. Document ID: US 6050990 A

L1: Entry 2 of 9

File: USPT

Apr 18, 2000

US-PAT-NO: 6050990

DOCUMENT-IDENTIFIER: US 6050990 A

TITLE: Methods and devices for inhibiting hair growth and related skin treatments

DATE-ISSUED: April 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tankovich; Nikolai I.	San Diego	CA		
Dasse; Kurt A.	Needham	MA		
Fine; David H.	Lincoln	MA		
Fairchild; Paul W.	San Diego	CA		
Zhao; Zhong-Quan	San Diego	CA		
Lefebvre; Mike	San Diego	CA		
Lee, Jr.; John	Ridgefield	CT		
Rolfe; Jonathan L.	North Easton	MA		

Murrell; Susan	River Edge	NJ	
Hunter, II; Allen	San Diego	CA	
Reynolds; Amanda J	Richmond		GB
Kolinko; Vladimir G.	San Diego	CA	

US-CL-CURRENT: 606/9; 606/16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	K00C	Draw D
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☐ 3. Document ID: US 6027744 A

L1: Entry 3 of 9

File: USPT

Feb 22, 2000

US-PAT-NO: 6027744

DOCUMENT-IDENTIFIER: US 6027744 A

TITLE: Guided development and support of hydrogel-cell compositions

DATE-ISSUED: February 22, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vacanti; Charles A.	Worcester	MA		
Vacanti; Joseph P.	Worcester	MA		

US-CL-CURRENT: 424/426; 623/13.11, 623/15.12, 623/16.11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	K00C	Draw D
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☐ 4. Document ID: US 5942487 A

L1: Entry 4 of 9

File: USPT

Aug 24, 1999

US-PAT-NO: 5942487

DOCUMENT-IDENTIFIER: US 5942487 A

TITLE: Composition for treating cornea

DATE-ISSUED: August 24, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ogawa; Takahiro	Nishinomiya			JP
Tokushige; Hideki	Kobe			JP
Watanabe; Noriko	Suita			JP

US-CL-CURRENT: 514/2; 514/912

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	K00C	Draw D
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☐ 5. Document ID: US 5716634 A

L1: Entry 5 of 9

File: USPT

Feb 10, 1998

US-PAT-NO: 5716634

DOCUMENT-IDENTIFIER: US 5716634 A

TITLE: Clear, homogenized, flowable hydrogel of crosslinked N-vinyl lactam polymer

DATE-ISSUED: February 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tseng; Susan Y.	Staten Island	NY		
Chuang; Jui-Chang	Wayne	NJ		
Wolf; Philip F.	Bridgewater	NJ		

US-CL-CURRENT: 424/445; 424/443, 424/62, 424/63

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 6. Document ID: US 5614583 A

L1: Entry 6 of 9

File: USPT

Mar 25, 1997

US-PAT-NO: 5614583

DOCUMENT-IDENTIFIER: US 5614583 A

TITLE: Homogenized flowable hydrogel of crosslinked N-vinyl lactam polymer

DATE-ISSUED: March 25, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tseng; Susan Y.	Staten Island	NY		
Chuang; Jui-Chang	Wayne	NJ		
Wolf; Philip F.	Bridgewater	NJ		

US-CL-CURRENT: 524/555; 424/486, 523/340, 523/346

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 7. Document ID: US 3596292 A

L1: Entry 7 of 9

File: USPT

Aug 3, 1971

US-PAT-NO: 3596292

DOCUMENT-IDENTIFIER: US 3596292 A

TITLE: HAIR IMPLANT STRUCTURE

DATE-ISSUED: August 3, 1971

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Erb; Robert A.	Schuylkill Township	PA		
Tarpley, Jr.; William B.	West Chester	PA		
Francis; Peter Schuyler	Rose Valley	PA		

US-CL-CURRENT: 623/15.11; 132/200, 606/187

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	FIGS	Draw. De
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☐ 8. Document ID: AU 2003209338 A1, WO 2003063775 A2

L1: Entry 8 of 9

File: DWPI

Sep 2, 2003

DERWENT-ACC-NO: 2003-627569

DERWENT-WEEK: 200422

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TITLE: Enhancing hair growth, comprises exposing target area of skin to polypeptide comprising an actin-binding peptide, other than full length thymosin beta-4 peptide sequence

INVENTOR: ELKIN, M; KLEINMAN, H K ; PHILP, D

PRIORITY-DATA: 2002US-351386P (January 25, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>AU 2003209338 A1</u>	September 2, 2003		000	A61K000/00
<u>WO 2003063775 A2</u>	August 7, 2003	E	050	A61K000/00

INT-CL (IPC): A61 K 0/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	FIGS	Draw. De
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☐ 9. Document ID: JP 2003081866 A

L1: Entry 9 of 9

File: DWPI

Mar 19, 2003

DERWENT-ACC-NO: 2003-546286

DERWENT-WEEK: 200352

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Hydrogel for hair restoring and also for preventing hair loss in males, comprises cell growth factor protein

PRIORITY-DATA: 2001JP-0278687 (September 13, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2003081866 A	March 19, 2003		009	A61K038/00

INT-CL (IPC): [A61 K 7/06](#); [A61 K 9/06](#); [A61 K 38/00](#); [A61 K 47/42](#); [A61 P 17/14](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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hydrogel\$ same follicle	9

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L4: Entry 2 of 11

File: USPT

Jul 17, 2001

DOCUMENT-IDENTIFIER: US 6261596 B1

TITLE: Method to provide for production of hair coloring pigments in hair follicles

Detailed Description Text (207):

Thus, liposomes can specifically target an important, large, polymer to hair follicles and even enter into the hair shaft itself in a normal pattern.

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L4: Entry 3 of 11

File: USPT

May 1, 2001

DOCUMENT-IDENTIFIER: US 6224901 B1

**** See image for Certificate of Correction ****

TITLE: Method for delivering beneficial compositions to hair follicles

Detailed Description Text (209):

Thus, liposomes can specifically target an important, large, polymer to hair follicles and even enter into the hair shaft itself in a normal pattern.

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L4: Entry 4 of 11

File: USPT

Dec 12, 2000

DOCUMENT-IDENTIFIER: US 6159493 A

TITLE: Formulation and method of manufacturing an acne extraction patch

Brief Summary Text (8):

Polymers like polyvinyl alcohol (PVA) and polyvinyl pyrrolidone (PVP) are mixed with water to form a polymer solution which is smeared on the face or nose. The polymer solution penetrates hair follicles and sebaceous glands. The water molecule around PVA and PVA polymer solution is induced far from the surface of the skin because of the hydrophobic of skin, which makes the viscosity of the polymer solution near the skin increase rapidly. The lug of acne inside the hair follicles or sebaceous glands is surrounded by the polymer substrate. After half hour of drying at general temperature, the water evaporates and the PVA and PVP polymer solution becomes hard. The lug of acne sticks to the polymer patch, and is extracted from the hair follicles or sebaceous glands as the patch is removed.

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Search Results - Record(s) 1 through 11 of 11 returned.

☐ 1. Document ID: US 6733776 B1

Using default format because multiple data bases are involved.

L4: Entry 1 of 11

File: USPT

May 11, 2004

US-PAT-NO: 6733776

DOCUMENT-IDENTIFIER: US 6733776 B1

TITLE: Method for promoting hair growth

DATE-ISSUED: May 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Li; Lingna	La Jolla	CA		
Lishko; Valeryi	Shaker Hts.	OH		

US-CL-CURRENT: 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	MMIC	Draw Data
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☐ 2. Document ID: US 6261596 B1

L4: Entry 2 of 11

File: USPT

Jul 17, 2001

US-PAT-NO: 6261596

DOCUMENT-IDENTIFIER: US 6261596 B1

TITLE: Method to provide for production of hair coloring pigments in hair follicles

DATE-ISSUED: July 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Li; Lingna	La Jolla	CA		
Lishko; Valeryi	Shaker Hts	OH		

US-CL-CURRENT: 424/450; 424/70.1, 424/70.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	MMIC	Draw Data
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☐ 3. Document ID: US 6224901 B1

L4: Entry 3 of 11

File: USPT

May 1, 2001

US-PAT-NO: 6224901

DOCUMENT-IDENTIFIER: US 6224901 B1

**** See image for Certificate of Correction ****

TITLE: Method for delivering beneficial compositions to hair follicles

DATE-ISSUED: May 1, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Li; Lingna	La Jolla	CA		
Lishko; Valervi	Shaker Hts.	OH		

US-CL-CURRENT: 424/450; 424/401, 424/70.1, 424/70.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWMC	Draw D
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☐ 4. Document ID: US 6159493 A

L4: Entry 4 of 11

File: USPT

Dec 12, 2000

US-PAT-NO: 6159493

DOCUMENT-IDENTIFIER: US 6159493 A

TITLE: Formulation and method of manufacturing an acne extraction patch

DATE-ISSUED: December 12, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chen; Shu-Juan	Hsinchu			TW
Liao; Chao-Wei	Hsinchu			TW
Cheng; Chien-Hsin D.	Hsinchu Hsien			TW

US-CL-CURRENT: 424/443; 424/401, 424/78.03, 514/859

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWMC	Draw D
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☐ 5. Document ID: US 5965157 A

L4: Entry 5 of 11

File: USPT

Oct 12, 1999

US-PAT-NO: 5965157

DOCUMENT-IDENTIFIER: US 5965157 A

TITLE: Method to provide for production of hair coloring pigments in hair follicles

DATE-ISSUED: October 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Li; Lingna	La Jolla	CA		
Lishko; Valeryi	Shaker Hts.	OH		

US-CL-CURRENT: 424/450; 424/70.1, 424/70.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Draw D
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☐ 6. Document ID: US 5914126 A

L4: Entry 6 of 11

File: USPT

Jun 22, 1999

US-PAT-NO: 5914126

DOCUMENT-IDENTIFIER: US 5914126 A

TITLE: Methods to deliver macromolecules to hair follicles

DATE-ISSUED: June 22, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Li; Lingna	La Jolla	CA		
Lishko; Valeryi	Shaker Hts.	OH		

US-CL-CURRENT: 424/450; 424/70.1, 514/2, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Draw D
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☐ 7. Document ID: US 5753263 A

L4: Entry 7 of 11

File: USPT

May 19, 1998

US-PAT-NO: 5753263

DOCUMENT-IDENTIFIER: US 5753263 A

TITLE: Method to deliver compositions conferring resistance to alopecia to hair follicles

DATE-ISSUED: May 19, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lishko; Valeryi	Shaker Hts.	OH		
Li; Lingna	La Jolla	CA		

US-CL-CURRENT: 424/450; 424/70.1, 514/2, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	FIGS	Drawings
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☐ 8. Document ID: US 5641508 A

L4: Entry 8 of 11

File: USPT

Jun 24, 1997

US-PAT-NO: 5641508

DOCUMENT-IDENTIFIER: US 5641508 A

TITLE: Method for delivering melanin to hair follicles

DATE-ISSUED: June 24, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Li; Lingna	La Jolla	CA		
Lishko; Valeryi K.	San Diego	CA		

US-CL-CURRENT: 424/450; 424/70.1, 424/70.2, 424/70.6, 514/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	FIGS	Drawings
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☐ 9. Document ID: US 5061284 A

L4: Entry 9 of 11

File: USPT

Oct 29, 1991

US-PAT-NO: 5061284

DOCUMENT-IDENTIFIER: US 5061284 A

TITLE: Silicone follicled hair implant

DATE-ISSUED: October 29, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Laghi; Aldo A.	Ballston Lake	NY	12019	

US-CL-CURRENT: 623/15.11; 132/201

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	FIGS	Drawings
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☐ 10. Document ID: WO 9621427 A1, AU 9646525 A

L4: Entry 10 of 11

File: DWPI

Jul 18, 1996

DERWENT-ACC-NO: 1996-342022

DERWENT-WEEK: 199634

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TITLE: Biodegradable, liq. polymer compsn. giving controlled release - comprises biodegradable, water-insol. (co)polymer and active agent e.g. follicle-stimulating

hormone

INVENTOR: COX, M S; DUNN, R L ; JOSEPHS, K R ; KRINICK, N L

PRIORITY-DATA: 1995US-0369815 (January 9, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9621427 A1	July 18, 1996	E	031	A61K009/00
AU 9646525 A	July 31, 1996		000	A61K009/00

INT-CL (IPC): A61 K 9/00; A61 K 47/34

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Abstracts	Claims	KWIC	Drawings
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☐ 11. Document ID: US 5061284 A

L4: Entry 11 of 11

File: DWPI

Oct 29, 1991

DERWENT-ACC-NO: 1991-339096

DERWENT-WEEK: 199146

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TITLE: Hair implant with silicone follicle - with extension of hair coating beyond follicle to protect hair against skin proteins

INVENTOR: LAGHI, A A

PRIORITY-DATA: 1990US-0507356 (April 10, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5061284 A	October 29, 1991		000	

INT-CL (IPC): A61F 2/10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Abstracts	Claims	KWIC	Drawings
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Terms

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(polymer) adj5 follicle

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